

Importance

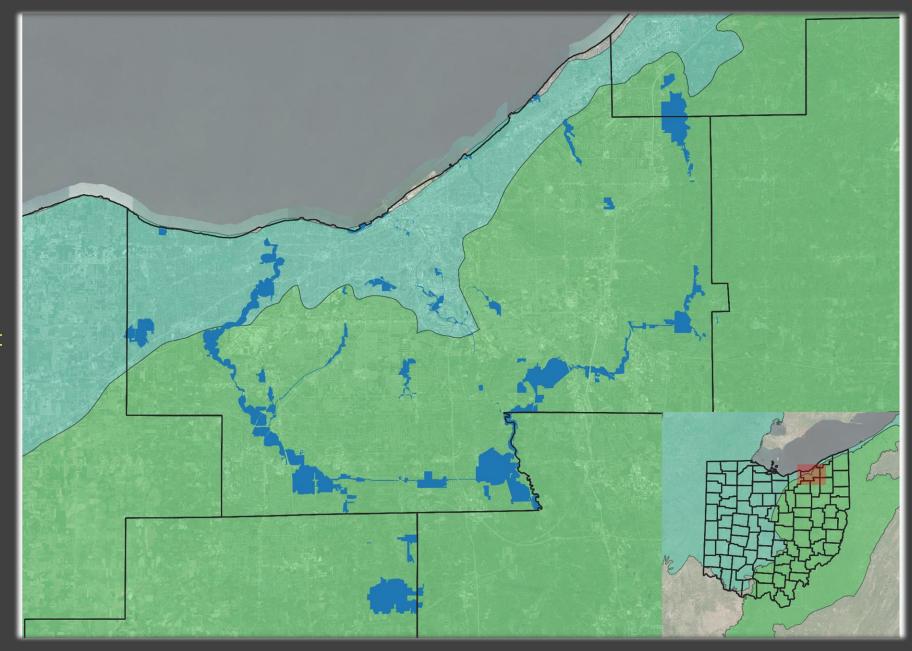
Good examples of these natural features becoming increasingly rare

Cleveland Metroparks protects some of the best remaining examples

Inventory is critical in the face of rapid ecological change

- Cuyahoga County is particularly interesting
 - And still plenty of opportunities for new discoveries

- Ohio (and Cuyahoga County) bisected by ecosystem province boundary
- USFS Ecosystem Provinces
 221 (Eastern Broadleaf Forest Province) and 222 (Midwest Broadleaf Forest Province)
- Divisions generally correspond with bedrock and soil divisions











smooth aster (Symphyotrichum laeve)



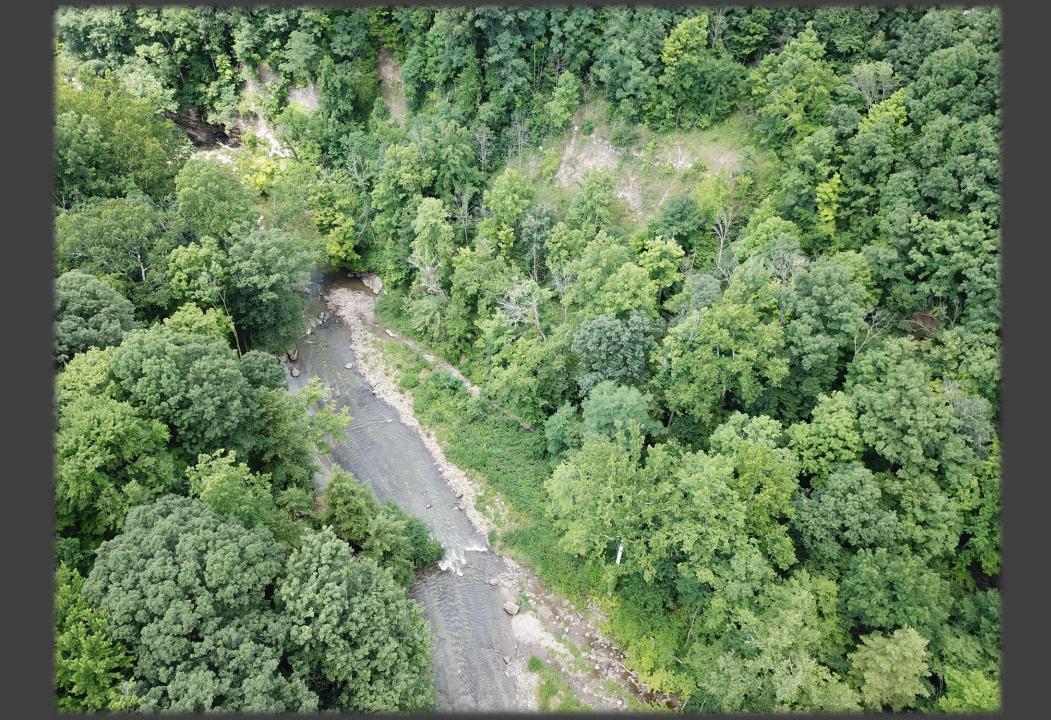
pasture rose (Rosa carolina)



fringed gentian (Gentianopsis crinita)



wild columbine (Aquilegia canadensis)







Devonian shale bluffs





rock serviceberry (Amelanchier sanguinea)

low serviceberry (Amelanchier humilis)



Summary

- 99 rare plant records submitted to Ohio DNR since 2012
- Numerous noteworthy observations and new county records
- Species delisted
- Many observations have contributed significantly toward land acquisition efforts







Management

- Data collection and management is critical
- Disturbance plays critical role
- Early detection and response
- Nature is the best designer
- Balance recreational use with protection